



Unlock!

THE POWER OF INFORMATION



Department of the Navy's
IM&IT Conference
5-6 March 1996
NRaD Auditorium, San Diego, CA

Welcome

Welcome to the Department of the Navy IM&IT Conference. The objective over the next two days is to share a DoN Information Technology vision for the 21st century and seek to learn your requirements and suggestions for improvements.



We offer you the opportunity to hear the visions of DoN IM&IT leaders, the processes that are in place to help you progress in your efforts, and success stories from counterparts who have made electronic communication a reality. You will also have the opportunity to ask the hard questions of various program managers Wednesday morning, and of your IM/IT leaders Wednesday afternoon. In the evenings we hope you will take the time to network with your peers and establish contacts that can help us help each other



through these dynamic and challenging times. Please take time to complete the GAO Self-Assessment questionnaire

enclosed in this Welcome Package. Your input will become part of the baseline showing us where we stand on IM/IT issues from which we can wisely determine a plan of action. These assessments will be collected and summarized Tuesday night and the results discussed at the Executive Session Wednesday morning.

Your participation is critically important to the success of this event. Please feel free to communicate what you think is significant to the future of DoN IT and how conferences such as this can best serve the IT needs of the Navy. Thank you for taking the time to attend. We look forward to working with you.

A handwritten signature in black ink, appearing to read "W. Bowes".

VADM W. Bowes, USN
Principal Deputy Assistant Secretary of the Navy (RD&A)

A handwritten signature in black ink, appearing to read "M. J. Langston".

Dr. M. J. Langston
Deputy Assistant Secretary of the Navy (C4I/EW/Space)

A handwritten signature in black ink, appearing to read "W. J. Davis, Jr.".

VADM W. J. Davis, Jr., USN
Director, Space and Electronic Warfare

A handwritten signature in black ink, appearing to read "D. A. Richwine".

MajGen D. A. Richwine, USMC
Assistant Chief of Staff C4I

Schedule

At-A-Glance

Monday, March 4, 1996

4:00 p.m. - 8:00 p.m.
Check-in at Kona Kai
Badges & Welcome Packages

Tuesday, March 5, 1996

6:45 a.m.
Buses Begin
Kona Kai to NRaD-Bldg. 33

7:00 a.m. - 8:00 a.m.
Late Check-In at NRaD
Continental Breakfast

8:00 a.m. - 8:10 a.m.
Welcome & Administrative Remarks
CDR Paul R. Dorin, USN
Information Technology Programs
Manager, NCCOSC

8:10 a.m. - 8:30 a.m.
DON IM&IT Vision
VADM W. C. Bowes, USN
Principal Deputy Assistant Secretary
of the Navy (Research, Development
and Acquisition)

8:30 a.m. - 9:40 a.m.
Mr. Art Caston
**Cruisin' Down the Information
Highway**
President of A. T. Caston Consulting
Inc

09:40 a.m. - 10:00 a.m.
Break

10:00 a.m. - 10:50 a.m.
Mr. Art Caston, *continued*

10:50 a.m. - 11:10 a.m.
Implementing the DON IT Vision Dr.
Marvin J. Langston
Deputy Assistant Secretary of the
Navy (C4I/EW/Space)

11:10 a.m. - 11:30 a.m.
**CMC Requirements of a DoN IT
Vision/USMC Success Stories**
MAJGEN D. A. Richwine, USMC
Assistant Chief of Staff (C4I)

11:30 a.m. - 1:00 p.m.
Lunch Break
•Bus Transportation to Shelter Island
•Executive Luncheon in Bldg. 33,

4th Floor, Veranda, NRaD

1:00 p.m. - 1:20 p.m.
DISA Outlook
RADM John A. Gauss, USN
Commander, Joint Interoperability
and Engineering Organization
Deputy Director for Engineering and
Interoperability Defense Information
Systems Agency

1:20 p.m. - 1:40 p.m.
NISMC Role in DON IT Vision
RADM J. P. Davidson, USN
Commander, Naval Information
Systems Management Center

1:40 p.m. - 2:40 p.m.
**Streamlined Access to IT
Products & Services**
CAPT J. Rannenber, USN
Director, Contracts Directorate,
Naval Information Systems
Management Center

2:40 p.m. - 3:00 p.m.
Break

3:00 p.m. - 4:00 p.m.
**SPAWAR Role & Defense
Messaging System (DMS)**
RADM Osie V. Combs, USN
Program Director, C4I Systems
(PD 70). Space and Naval Warfare
Systems Command
CAPT Dave Gamble, USN
Program Manager, Ship and Shore
Communications (PMW 172), Space
and Naval Warfare Systems
Command

4:00 p.m. - 5:00 p.m.
DON INPO
CDR Craig B. Luigart, USN
Program Manager, Information
Network Project Office
John George, Chief Engineer,
Information Network Project Office
CDR Paul R. Dorin, USN
INPO IPT Leader for DON WAN

5:00 p.m.
Adjourn for the day
Buses to Kona Kai

Wednesday March 6, 1996

6:45 a.m.
Buses Begin
Kona Kai to NRaD-Bldg. 33

7:00 a.m. - 8:00 a.m.
Continental Breakfast

8:00 - 8:10
Administrative Remarks
CDR Paul R. Dorin, USN
Information Technology Programs
Manager, NCCOSC

8:10 a.m. - 8:30 a.m.
**OPNAV Requirements of DoN IT
Vision**
VADM W. J. Davis, Jr., USN
Director, Space and Electronic
Warfare

8:30 a.m. - 12:00 a.m.
Break-Out Groups
• **Executive Session** - Cloud Room
Mr. Chris Hoenig (GAO)
Mr. Art Caston
All Flags and SESs invited.
• **Auditorium Session**
Infrastructure Roles &
Responsibilities in an Enterprise
Environment
• **Conference Center**
Applications & Tools in an Enterprise
Environment

12:00 p.m. - 1:30 p.m.
Lunch Break
Bus Transportation to
Shelter Island Executive Luncheon in
Bldg. 33,
4th Floor, Veranda, NRaD

1:30 p.m. - 2:15 p.m.
Fleet Success Story
CAPT Dave Weddel, USN
Mr. Bob Stephensen
COMSEVENTH FLEET

2:15 p.m. - 3:00 p.m.
USMC Success Story
COL Dave Chadwick, USMC
Tactical Systems Support Activity

3:00 p.m. - 3:20 p.m.
Break

3:20 - 4:00
Plenary Session for all Attendees
Mr. Art Caston & Flag/SES Panel

5:00
Adjourn
Buses to Kona Kai

Speakers

In order of Appearance

Vice Admiral William C. Bowes, USN

PRINCIPAL DEPUTY ASSISTANT SECRETARY OF THE NAVY FOR RESEARCH DEVELOPMENT AND ACQUISITION

Vice Admiral Bill Bowes, a native of New York, graduated from the University of Idaho and its NROTC Program in June 1963. He is a 1968 graduate of the United States Naval Test Pilot School and received his Master's Degree in Systems Acquisition Management from the Naval Postgraduate School in March 1974.

Upon receiving his wings in December 1964, he joined the light attack community of Naval Air Station, Lemoore, California. He served with VA-113 flying A-4's and later with V-94 flying A-7E's on combat missions from the USS KITTY HAWK (CV 63), USS ENTERPRISE (CVN 65), and USS CORAL SEA (CV 43). Vice Admiral Bowes flew 350 combat missions in Southeast Asia between 1965 and 1972. He served as Executive Officer and then Commanding Officer of VA-195 from August 1976 until December 1979, operating both the Pacific and the Atlantic Fleets embarked in USS KITTY HAWK and the USS AMERICA (CV 66).

An experienced test pilot, Vice Admiral Bowes has had three tours at the Naval Air Test

Center, Patuxent River, Maryland. During these tours he has served as an engineering test pilot in the Carrier Suitability Branch, an instructor and operations officer at the Navy Test Pilot School, and as the Director of the Systems and Engineering Test Directorate. Having piloted every type jet aircraft that has been in the Fleet since the 1960's, he has flown more than 5,000 hours in over 50 different U.S. and foreign military aircraft. He has also accumulated 900 carrier-arrested landings and more than 150 carrier touch-and-go landings during his operational tours and during carrier suitability testing. He is an associate fellow in the Society of Experimental Test Pilots.

Having piloted every type jet aircraft that has been in the Fleet since the 1960's, Vice Admiral Bowes has flown more than 5,000 hours in over 50 different U.S. and foreign military aircraft.

Vice Admiral Bowes began the program management phase of his career in 1980 as the F/A-18 Assistant Program Manager for Systems and Engineering (i.e. the Class Desk or Chief Engineer) during the early phases of F/A-18 flight testing and development and the airplane's introduction to the Fleet. In 1983, he was assigned as the Program Manager of the F-14 and Phoenix missile system. During this tour the development programs for

BOWES Continued...

the F-14B and F-14D were initiated, and the first F-14B was delivered to the Fleet.

He was promoted to Rear Admiral in November 1987 and given another program manager assignment as the Director of the Cruise Missiles Project. He held this assignment until shortly after the spectacular and successful use of his TOMAHAWK Cruise Missiles in the initial strikes on Iraq in Operation Desert Storm.

In May 1988, he was given the additional responsibility of creating and standing up a joint program office for all of the Department of Defense's unmanned aerial vehicle programs. He created and stood up the Unmanned Aerial Vehicles Joint Project Office.

In May 1990, he was designated the Program Executive Officer for Cruise Missiles and Unmanned Aerial Vehicles.

In March 1991, Vice Admiral Bowes became the commander of the Naval Air Systems Command, a world-wide command of over 57,000 people located at 19 major sites. With responsibility for the development, acquisition and support of all Naval Aeronautical Systems during a time of enormous change, Vice Admiral Bowes led NAVAIR into a major

restructuring to evolve smaller, stronger, and more responsive. During this tour the President of the United States recognized NAVAIR with the President's Award for Quality, the only organization in the Federal government to receive this award twice.

In March 1995, Vice Admiral Bowes was given his second three star assignment as the Navy's first military Principal Deputy Assistant Secretary of the Navy for Research, Development and Acquisition.

His decorations include the Defense Distinguished Service Medal, the Distinguished Service Medal, 3 Legions of Merit, 3 Distinguished Flying Crosses, 36 Air Medals-2 individual awards, 8 Navy Commendation Medals, the Vietnamese Air Gallantry Cross, and various unit commendations and campaign medals.

Vice Admiral Bowes is married to the former Delores Mello of Lemoore, California. She is a professional educator and has maintained a high school teaching career since she was graduated from California State University at Fresno in 1963 and throughout their marriage. Their three married daughters: Margaret, Jennifer, and Kristine and five granddaughters reside on the West Coast in Lemoore, California and Grants Pass, Oregon.

Mr. Art Caston

PRESIDENT OF A.T. CASTON CONSULTING INC.

Mr. Caston is a leading international management consultant on the strategic use of information technologies. He assists major organizations in developing strategic business plans and supporting architectures based on IT-enabled transformation opportunities. He is the co-author of *Paradigm Shift: The New Promise of Information Technology* which has become the all-time international bestselling business book on

information technology.

He is the co-author of Paradigm Shift: The New Promise of Information Technology which has become the all-time international bestselling business book on information technology.

His 28 year career in systems and management consulting has provided a broad base of experience, methods and tools to help clients leverage information technology developments and adjust to the many organizational changes associated with the arrival of the information age. His clients include multi-national corporations, national and

CASTON Continued...

regional governments, and major private sector organizations. Most notably, he was the lead consultant to the Government of Canada on the development of their "Blueprint for Renewing Government Services Using Information Technology."

He is a graduate of the University of Alberta, Edmonton (BSc Chemical Engineering, 1966), London University, London England (MSc Automated Control Systems, 1967) and The City University, London England (MSc Administrative Sciences, 1968). He is also a Professional Engineer and a Certified Management Consultant. He resides in Newmarket, Ontario, Canada.

Marvin J. Langston

DEPUTY ASSISTANT SECRETARY OF THE NAVY FOR RESEARCH DEVELOPMENT AND ACQUISITION

On August 8, 1994 Marvin J. Langston was sworn in as the Deputy Assistant Secretary of the Navy for Research, Development and Acquisition. In this capacity he is responsible for acquisition policy, research and development, and systems acquisition support in the areas of Command & Control and Information Warfare.

Dr. Langston began his career with the Navy in 1966 as a Seaman Recruit. He was trained as an electronic technician and a nuclear power reactor operator after which he served aboard the USS Permit (SSN 594). Under the Navy Enlisted Scientific Engineering Program he received a BSEE degree from Purdue University and was commissioned an Ensign in 1973.

After serving aboard the USS America (CV 66), he attended Naval Postgraduate School where he received an MSEE degree in 1976 and then became an Engineering Duty Officer specializing in combat system and command & control system acquisition. During this period he served as the Test Director for the DDG 2/15 Combat Systems, the project manager for

AEGIS Command and Decision System, AEGIS Display System, and Battle Group Anti-Air Warfare Coordination.

During his last tour in the Navy, he was the Special Technical Assistant to the newly formed Director of Warfare System Architecture and Engineering in the Space and Naval Warfare Systems Command.

He served as the Test Director for the DDG 2/15 Combat Systems, the project manager for AEGIS Command and Decision System, AEGIS Display System, and Battle Group Anti-Air Warfare Coordination.

Following his naval career, Dr. Langston joined the staff of The Johns Hopkins University Applied Physics Laboratory in 1988 where he worked with space based surveillance and communication systems, advanced cruise missiles, satellite laser communications, laboratory strategic planning, and sea based Theater Ballistic Missile Defense.

He received his doctorate in Public Administration from the University of Southern California in 1994 where he now serves as an adjunct professor.

Dr. Langston was born in Salt Lake City, Utah on May 28, 1947. He and his wife Treva reside in Falls Church, Virginia.

General D.A. Richwine, USMC

ASSISTANT CHIEF OF STAFF (C4I)

Major General David A. Richwine is currently serving as the Assistant Chief of Staff, Command, Control, Communications, Computer and Intelligence (C4I); Director of Intelligence, Headquarters, U. S. Marine Corps, Washington, D.C.

General Richwine was born in Oakland, California, raised in the greater Kansas City area, graduated from the University of Kansas in June 1965, was commissioned a second lieutenant in the Marine Corps subsequent to completion of the NROTC course of instruction.

Upon completion of The Basic School (Class 1-66), Quantico, Virginia, he joined the 3d Battalion, 4th Marines for duty in January 1966, serving in Vietnam, as a Platoon Commander, company Executive Officer and Commanding Officer, and as the Battalion S-4 Officer. He was promoted to first lieutenant in December 1966. In May 1967, he returned to the United States for duty as the Officer Selection Officer in Indianapolis, Indiana. He was promoted to captain in July 1967.

In June 1969, he reported to Williams Air Force Base in Chandler, Arizona, where he completed the Undergraduate Pilot Training Program. He joined VMAT-203 in July 1970 for transition training enroute to VMFAT-201 where he received his MOS in the F4J. Designated a Naval Aviator in April 1971, he remained with VMFAT-201 for advanced training and instructor duty until August when he joined VT-4 in Pensacola, FL. His duties in VT-4 included flight instruction, Assistant Maintenance Officer, and NATOPS Officer.

Following graduation from the Amphibious Warfare School in 1973, General Richwine completed refamiliarization training with VMFA-531 at El Toro, and joined VMFA-232 in WestPac. He served the Red Devils as the Maintenance Control Officer and then Assistant Maintenance

Officer until November 1974 when he joined VMFA-212 at MCAS Kaneohe Bay, Hawaii, for duty as the Standardization Officer, and was promoted to major in September 1974.

In June 1976, he transferred to Headquarters, Fleet Marine Force, Pacific, for duty as Aide-de-Camp to the commanding general, and then as a Plans Officer in July 1977. In August 1978, he matriculated at the Air Command and Staff College in Montgomery, Alabama. Following graduation, he was reassigned to MAG-31 in Beaufort, SC, where he served as the Assistant Group S-5 officer until he became the Executive Officer of Headquarters and Maintenance Squadron-31 in September 1979. He assumed command of VMFA-251 in June 1980, and was promoted to lieutenant colonel in September of that year. The following July he joined MAG-15 in Iwakuni, Japan, for duty first as the Group Operations Officer, then as the Group Executive Officer.

He was a student at the National War College, in Washington D.C., and following graduation, was assigned as the commanding Officer, MCAS Beaufort.

Ordered to Headquarters Marine Corps, Washington, D.C. in June 1982, he served as an action officer in the Current Operations Branch, Plans, Policies and Operations Department, until December. During January 1983 he joined the staff of the Secretary of Defense as the Assistant for Special Analyses to the Assistant Under Secretary of Defense for Policy and Resources. From July 1984 until May 1985, he was a student at the National War College, in Washington D.C., and following graduation, was assigned as the commanding Officer, MCAS Beaufort. He was promoted to colonel in August 1986.

General Richwine returned to Headquarters Marine Corps in July 1987 to serve as Assistant Head, then as Head, Aviation Plans, Programs, Doctrine, Joint Matters and Budget Branch. He was assigned duty as the Special Assistant, Marine Corps Aide to the Secretary of the Navy in June 1988. While serving in this capacity, he

RICHWINE Continued...

was selected in December 1989 for promotion to brigadier general. He was assigned duty as the Commander, Marine Corps Bases, Eastern Area, MCAS, Cherry Point, North Carolina, on June 18, 1990. General Richwine was advanced to that grade on July 1, 1990 and promoted to brigadier general on October 1, 1990. He was advanced to major general on April 30, 1993, assumed assignment as the Deputy for Expeditionary Forces Programs, Office of the Assistant Secretary of the Navy for Research,

Development and Acquisition, Washington D.C. on August 3, 1993 and was promoted September 1, 1993. He assumed his current assignment on July 1, 1995.

His personal decorations include: the Silver Star Medal; Legion of Merit with gold star in lieu of second award; Purple Heart; and Defense Meritorious Service Medal.

Major General Richwine is married to the former Gayle Lydia Kreutzer of Leavenworth, KN. They have two daughters, Heather and Carrie.

REAR ADMIRAL JOHN A. GAUSS, USN

DEPUTY DIRECTOR FOR ENGINEERING AND INTEROPERABILITY

COMMANDER, JOINT INTEROPERABILITY AND ENGINEERING ORGANIZATION

DEFENSE INFORMATION SYSTEMS AGENCY

Rear Admiral John A. Gauss, USN is the Commander, Joint Interoperability and Engineering Organization and the Deputy Director for Engineering and Interoperability. He is responsible for all aspects of engineering effective, interoperable, integrated and affordable DoD command, control, communication, computer and intelligence (C4I) and combat support information systems for the joint warfighter.

Born in Salem, Massachusetts, RADM Gauss attended public schools in his home town. From 1965 to 1969 he attended Cornell University, where he graduated with a Bachelor of Science degree in Engineering Physics and was commissioned through the NROTC program in July 1969.

Following his commissioning, RADM Gauss completed seven years of continuous sea duty, including duty as the Electronics Material Officer, Combat Information Center (CIC)

Officer, and Operations Officer in USS PATTERSON (FF-1061); Operations Officer in USS FLINT (AE-32); and Executive Officer in USS CONSERVER (ARS-39). During this period RADM Gauss qualified as a Surface Warfare Officer.

In 1976, RADM Gauss entered the Naval Postgraduate School where he earned both Master and Doctor of Philosophy degrees in Electronics Engineering with a minor in Computer Science. During his tour at the Naval Postgraduate School, RADM Gauss transferred to the Restricted Line as an Engineering Duty Officer. After graduation, RADM Gauss served as the Airborne Anti-Submarine Warfare (ASW) Project Officer at the Naval Surface Warfare Center, White

Oak, Maryland; as the TOMAHAWK Surface Ship Weapons System Chief Engineer at the Cruise Missiles Project, Washington, DC; and as Major Program Manager, Navy Command and Control Systems-Afloat (NCCS-A) at the

He completed seven years of continuous sea duty...

Electronics Material Officer, Combat Information Center (CIC) Officer, and Operations Officer in USS PATTERSON (FF-1061); Operations Officer in USS FLINT (AE-32); and Executive Officer in USS CONSERVER (ARS-39)

GAUSS Continued...

Space and Naval Warfare Systems Command (SPAWAR), Washington DC.

In October 1992, RADM Gauss was assigned as the Program Director/Major Program Manager, Command Systems (PD60) at SPAWAR. He oversaw Navy Command and Control Systems (both Afloat and Ashore), Navy Electronic Combat Surveillance Systems, Shipboard Combat Support Information Management Systems, Environmental Systems, Fleet Marine Force Air Traffic Control Systems, and Navigation Systems.

In August 1994, RADM Gauss became the Commander of the Joint Interoperability and

Engineering Organization and the Deputy Director for Engineering and Interoperability (D6), Defense Information Systems Agency (DISA), Arlington, Virginia.

During his career, RADM Gauss completed deployments to Northern Europe and multiple deployments to the Western Pacific. His personal awards include the Legion of Merit (two awards), Meritorious Service Medal and Navy Achievement Medal.

RADM Gauss is married to the former Charlotte Crawford of San Marcos, Texas. They reside in Arlington, Virginia.

REAR ADMIRAL JAMES P. DAVIDSON, SC, USN COMMANDER, NAVAL INFORMATION SYSTEMS MANAGEMENT CENTER (NISMIC)

Rear Admiral James P. Davidson was born in Ontario, California. He graduated from the University of Idaho in 1961 with a bachelor's degree in business and applied science. Upon completing Officer Candidate School in Newport, Rhode Island in November 1961, he was commissioned an Ensign in the Supply Corps, United States Navy. He holds a master's degree in business administration with distinction from the University of Michigan, attended the Executive Development course at Stanford University, the CAPSTONE course at National Defense University, and the Senior Executive Program in National Security at Harvard.

His tours at sea include Supply Officer on the USS DEHAVEN (DD 727) homeported in Yokosuka, Japan from 1962 to 1964; Aviation

Stores Officer on the USS ORISKANY (CVA 34) including two combat deployments to Vietnam from 1966 to 1968; and Supply Officer on the USS NIMITZ (CVN 68) from July 1979 to August 1981.

He holds a master's degree in business administration with distinction from the University of Michigan, attended the Executive Development course at Stanford University, the CAPSTONE course at National Defense University, and the Senior Executive Program in National Security at Harvard.

Shore tours include Stock Control and Planning Officer at NAS Point Mugu from 1964 to 1966, Aide to Commanding Officer and A7E Weapons Manager, Aviation Supply Officer, Philadelphia, Pennsylvania from 1968 to 1971; Contracting Officer, Navy Supply Center, Naval Shipyard and Naval Regional

contracting Center, Long Beach from 1973 to 1976; Special Assistant to Deputy Commander for Contracting and Executive Assistant to Commander, Naval Supply Systems Command, Washington, D.C., from 1976 to 1979; Executive Director for Contracts, Naval Air Systems Command from 1981 to 1984;

DAVIDSON Continued...

Operations Officer and Executive Officer, Aviation Supply Office, Philadelphia, Pennsylvania from 1984 to 1987 and Force Supply Officer to the Commander Naval Air Force, U.S. Pacific Fleet from 1987 to 1989. He was promoted to Rear Admiral (LH) in June 1989 and served as Executive Director for Supply Operations at the Defense Logistics Agency from July 1989 to August 1991. He was promoted to Rear Admiral (UH) on June 1, 1993 and served as Commanding Officer of the Aviation Supply Office from October 1991 to July 1995. He

assumed command of the Naval Information Systems Management Center on July 28, 1995.

Personal decorations include the Defense Distinguished Service Medal, the Legion of Merit with two gold stars, the Meritorious Service Medal with gold star, and the Navy Achievement Medal with gold star.

Rear Admiral Davidson is married to the Former Joanne Extale of Ontario, California. They have three children; Jennifer Parker, Janine, and James.

Capt J. Rannenberg, USN

Director, Contracts Directorate, Naval Information Systems Management Center (NISMIC)

Captain John Rannenberg was born and raised in Mystic, Connecticut. He graduated from The Ohio State University in 1973 and was commissioned an Ensign in the United States Navy Supply Corps. He holds a master's degree in management from the Naval Postgraduate School at Monterey, CA and is a graduate of the Industrial College of the Armed Forces.

The first half of Captain Rannenberg's career focused on submarine logistics support. His first job as an Ensign was Supply Officer in USS George C. Marshall (SSBN 654G). This tour was followed by a stint teaching submarine supply management at the supply Corps School at Athens, Georgia; another job afloat in USS L.Y. Spear (AS-36) and a shore post to the staff of the

Commander, Submarine Force, U.S. Atlantic Fleet.

He holds a master's degree in management from the Naval Postgraduate School at Monterey, CA and is a graduate of the Industrial College of the Armed Forces.

The second half of the Captains' career has centered around weapons system and information technology acquisition. His experience has included contracting officer assignments at the Naval Air Systems Command, a tour as the F-14 Deputy Program Manager for Business and Finance, and three years in the Logistics Directorate of the Joint Staff.

Captain Rannenberg is currently serving as the Director of the Contracting Directorate of the Naval Information Systems Management Center where he leads 75 technologists and contracting professionals buying Navy telecommunications and information systems from \$3 million to \$1.6 billion.

REAR ADMIRAL OSIE V. COMBS, USN
PROGRAM DIRECTOR, C4I SYSTEMS
DIRECTORATE SPACE AND NAVAL WARFARE SYSTEMS COMMAND

Rear Admiral Combs graduated from Prairie View A&M University in June 1971, with a degree in Electrical Engineering. Following his tenure as Assistant Boilers Officer in USS CORAL SEA (CVA 43), he attended Post Graduate School at the Massachusetts Institute of Technology. There he was awarded two advanced engineering degrees. He completed his Masters of Science in Mechanical Engineering and Post Masters degree in Ocean Engineering (Naval Architecture) in 1977.

The Norfolk Naval Shipyard was RADM Combs' assignment for the next four years. He served in several key positions including: Surface and Submarine Ship Superintendent, Surface and Submarine Ship Type Desk Officer and backup Docking Officer. During this tour RADM Combs completed his qualifications in submarine (Engineering Duty). As part of the qualification program he served in USS WOODROW WILSON, SSBN 624 (Gold).

Prior to his affiliation with the SEAWOLF Program, RADM Combs functioned as the Assistant Project Officer for the construction of Los Angeles (SSN 688) class submarines at the Supervisor of Shipbuilding, Conversion and Repair in Newport News, Virginia, and was the Submarine Tender Repair Officer for the USS PROTEUS (AS 19).

RADM Combs reported to the Naval Sea Systems Command (PMS 350 - SEAWOLF Program Office) in 1985. At command headquarters, he was Program Manager for and responsible for the delivery of SEAWOLF's

Large Scale Vehicle (LSV), an autonomous submarine. He then served as the Assistant Program Manager for Design and Construction of the SEAWOLF class submarine program. In 1990, he transferred to the Supervisor of Shipbuilding, Conversion and Repair in Groton, Connecticut, where he served as the Project Officer for construction of SEAWOLF class as well as the Program Manager's representative. In 1992, RADM Combs returned to Washington as SEAWOLF Program Manager, part of the Program Executive Officer, Submarines (PEO SUB), organization. He is currently the Program Director, C4I Systems Directorate for the Space and Naval Warfare Systems Command.

He attended Post Graduate School at the Massachusetts Institute of Technology. There he was awarded two advanced engineering degrees. He completed his Masters of Science in Mechanical Engineering and Post Masters degree in Ocean Engineering (Naval Architecture) in 1977.

Upon graduating from Prairie View A&M University, RADM Combs was the school's Outstanding Senior Engineering Student. Additionally, he was selected as the Outstanding Student Engineer of the Year by the Texas Society of Professional Engineers. This excellence in engineering led to his selection to the Navy's Elite Engineering Duty Officer Community as an Ensign; a rare honor. In 1990, RADM Combs was nationally recognized as the Outstanding Engineer of the Year for Technical Excellence by Career Communications Group.

In addition to formal education, RADM Combs is a Graduate of the Program Manager's Course from the Defense Systems Management College and Executive Training for Professionals from Carnegie Mellon University.

RADM Combs has been awarded the Legion of Merit, Meritorious Service Medal

COMBS Continued...

with one gold star, the Navy Commendation Medal, the Navy Unit Commendation with two bronze stars, the Navy "E" Ribbon with second Battle "E", the National Defense Service Medal with one bronze star, the Sea Service Ribbon, the Vietnam Service Medal with one bronze star,

and the Republic of Vietnam Campaign Medal.

Married to the former Iris Parks of Bay City, Texas, and father of Melany and Natalie, RADM Combs and his family live in Woodbridge, Virginia.

Captain Dave Gamble, USN

**Program Manager, Ship and Shore Communications (PMW 172),
Space and Naval Warfare Systems Command**

Captain Davis R. "Dave" Gamble, Jr., USN, is assigned to the Space and Naval Warfare Systems Command (SPAWAR) as the Program Manager for Ship and Shore Communications (PMW 172). He reported in June 1995.

He graduated from Auburn University and was commissioned in August 1974. After six months of school, he was assigned to USS Garcia (FF-1040) as the Electronics Material Officer. In 1977, LTJG Gamble was selected for Engineering Duty and detached from the USS Garcia in January 1978 to attend the Naval Postgraduate School. In June 1980 LT Gamble graduated with the Degree of Electrical Engineer as well as a Master of Science Degree in Electrical Engineering (March 1980). His next assignment was the Defense Communications Engineering Center in Reston, Virginia, where he served as the Satellite Communications Officer and was responsible for development of an Adaptive Link Power Control system and precise time transfer architecture for the Defense Satellite Communications System.

LCDR Gamble was the FLTSAT EHF Package (FEP) Project Engineer from August 1982 until August 1985 and was assigned to

PME 106-13 in the Naval Electronic Systems Command which, during this tour, became SPAWAR. As the Navy's principal engineer, he worked closely with Air Force Space Division, Lincoln Laboratory and Navy field activities to design and build DoD's first Milstar-compatible communications payload, later launched with FLTSATs F7 and F8. He was also responsible for development of a fixed and a transportable FEP Operations Center and for planning and successfully conducting the initial compatibility test between the FEP prototype and the Navy EHF SATCOM terminal engineering development models.

*He was recognized nationwide
as one of ten Outstanding Young
AFCEANs in 1986 and is listed in
Who's Who in Science and
Technology in 1995.*

In August 1985, LCDR Gamble reported to the Chief of Naval Operations (OP-943C), as the Assistant for Advanced Satellite Communications. In this capacity he was responsible for determining the Navy's EHF communications requirements and ensuring resources were available to meet them. He worked closely with the Joint Staff and the other services to further define and implement a worldwide EHF capability to meet DoD's minimum essential, anti-jam communications needs. He was reassigned in August 1988.

He spent four years with the Navy's UHF Satellite Communications Program Office in the Program Executive Officer for Space,

GAMBLE Continued...

Communications and Sensors. He held assignments as the Assistant Program Manager for Operations and the Assistant Program Manager for Acquisition. CDR Gamble was responsible for launch of the last two FLTSAT satellites, and the last LEASAT satellite. He was also responsible for the acquisition of an EHF capability and its integration into the UHF Follow-On (UFO) satellite design as well as planning the integration of the UFO constellation into the Air Force Satellite Control Network.

From August 1992 to August 1994, CDR Gamble served as the Director for Navy UHF Satellite Communication. He was responsible for development and fielding of communications networks and radio equipment to support Navy Battle Group communications. In his most recent assignment, CAPT Gamble was the Deputy for Command and Control, Communications, Intelligence, and Space

Programs in the Office of the Assistant Secretary of the Navy for Research, Development and Acquisition.

His honors include four Meritorious Service Medals, a Joint Service Commendation Medal and a Navy Achievement Medal. He was recognized nationwide as one of ten Outstanding Young AFCEANs in 1986 and is listed in Who's Who in Science and Technology in 1995. He is a registered Professional Engineer in Virginia and a member of AFCEA, IEEE and AIAA.

He has two children who live in Enterprise, Alabama. Kevin graduated from high school as a valedictorian and attends Vanderbilt University. Keith is a statewide Investment Challenge Game winner and is in the ninth grade. CAPT Gamble is married to the former Patricia Wilson of Camarillo, California and lives in Alexandria, Virginia.

Commander Craig B. Luigart, USN Program Manager, DON Naval Information Project Office (INPO)

Commander Craig B. Luigart serves on the staff of the Assistant Secretary of the Navy (Research Development and Acquisition) as the Program Manager for the Department of the Navy, Information Network Project Office (DoN INPO). He is tasked with deploying an enterprise network for the Naval Headquarters and Washington Region Commands—including the development of formal Enterprise Architecture Standards and Applications for corporate-wide deployment across the Department of the Navy—a global information systems and office automation project comprised of over 300,000 desktops.

He exercised managerial and technical oversight responsibility for the IS&T team's 1,400 employee work force and technologies from the desktop to Cray™ super computers, as well as the Navy's largest video teleconferencing (VTC) network.

Prior to this assignment, Commander Luigart was the Chief Information Officer (CIO) and Director of Information Systems and Technology (IS&T) for the Naval Air Systems Command (NAVAIR) headquartered in Washington DC. He exercised managerial and technical oversight responsibility for the IS&T team's 1,400 employee work force and technologies from the desktop to Cray™ super computers, as well as the Navy's largest video teleconferencing (VTC) network.

Commander Luigart, a native of Kentucky, holds a Bachelor's Degree in Biology and Chemistry from the University of Louisville. He received his Master's of Science, with distinction, in

LUIGART Continued...

Management Information Systems from the Naval Postgraduate School at Monterey, California, in 1988.

Commander Luigart, a Naval Scholarship Student, was commissioned an Ensign in 1976 and sent to flight school. Upon receiving his wings in 1977 he completed numerous assignments, operationally and in training, flying a variety of aircraft including the P-3, T-28, S-2, T-44, T-45 and A-4.

Following a two year assignment as the Aide and Flag Lieutenant to the Chief of Naval Air Training, Commander Luigart in 1984 was assigned to aircraft carrier USS Nimitz (CVN 68). As the ships Assistant Combat Direction Center Officer and Battle Group Tactical Action Officer, he was responsible for ship and air-wing weapons employment and tactical computer and communications center operations.

Selected for the Aerospace Engineering Duty Officer Corps while completing postgraduate education, he joined NAVAIR in 1988 as the P-3 Orion Deputy Program Manager for International Programs, there initiating and implementing international P-3 aircraft programs in excess of \$1 billion. Additional duties during this assignment included serving as the

Navy's P-3C Mission Software Systems Advisor to the P-3 Program Manager. During this tour he was responsible for the deployment of one of the Navy's first cross platform, multi-protocol, enterprise networks in support of the P-3 program office. This globally deployed network of over 1200 desktops would form the prototype for a NAVAIR enterprise initiative.

In 1991 he assumed directorship of the NAVAIR Information Systems and Technologies Directorate and assignment as the Command's CIO. He was tasked to design and deploy an integrated enterprise wide Open Systems compliant "user empowered" information system and to facilitate and mentor the reengineering of the Command's business processes. This state-of-the-art corporate wide information systems solution, now deployed, fully integrates more than 30 sites comprised of over 45,000 desktops (DOS, Windows™, Macintosh™ and UNIX), legacy information systems, more than 600 mid and mainframe computers, telephony, VTC and desktop VTC across the world.

Commander Luigart's decorations include the Legion of Merit, Meritorious Service Medal, Navy Commendation Medal and others. Commander Luigart is married to the former Connie Rose Trammell of Lexington, Kentucky. They have two daughters, Kristen and Alyssa.

Commander Paul R. Dorin, USN Information Technology Programs Manager, NCCOSC

Commander Paul R. Dorin was born in Jacksonville, North Carolina and raised in Iwington, New Jersey. He graduated from the United States Naval Academy in 1976 with a Bachelor of Science Degree in Weapon Systems Engineering, and was commissioned an Ensign. Qualifying for flight school, he earned his wings and was designated a Naval Aviator in June, 1978. He received a Masters

Degree in Computer Science from the Naval Postgraduate School at Monterey, California in 1985.

Tours of service include Search and Rescue pilot at NAS Bermuda and Deployments as Helicopter Detachment Officer in Charge, USS LEFTWICH, USS KINKAID and USS MARVIN F. SHIELDS. He also served as Operations Officer and Executive Officer of Helicopter Replacement

Tours of service include Search and Rescue pilot at NAS Bermuda and Deployments as Helicopter

Squadron Thirty One (HSL-31) at NAS NORTH ISLAND, and Safety Officer aboard the aircraft carrier USS MIDWAY, participating in her decommissioning. Most recently he served as Director of Operations for the data processing center at NAS NORTH ISLAND, and is currently the Information Technology Programs Manager and CIO Associate at Naval

Detachment Officer in Charge, USS LEFTWICH, USS KINKAID and USS MARVIN F. SHIELDS.

Command, Control, and Ocean Surveillance Center (NCCOSC) Point Loma, California.

Personal decorations include the Navy Commendation Medal with two Gold Stars, the Navy Achievement Medal, and others. Commander Dorin is married to the former Colleen Laura McDonald and has a daughter, Kelly.

Mr. JOHN M. GEORGE **Chief Engineer** **DON Information Network Project Office**

Mr. John M. George was appointed to the position of Chief Engineer for the Department of the Navy's (DoN) Information Network Project Office (INPO). In this capacity, he is responsible for the development of Information Technology architectures and standards for the DoN.

Mr. George began his career in 1979 as a cooperative education student working at the Naval Air Test Center at Patuxent River, MD where he performed testing of airborne navigation systems. In 1984 he received a BSEE degree from Virginia Polytechnic Institute and State University.

Upon graduation, Mr. George shifted his career focus from systems test and evaluation to systems development. His specialty was the development of real-time systems used in the testing of airborne Antisubmarine Warfare

(ASW) aircraft. During the next seven years, Mr. George was the Lead Engineer for the Patrol Avionics Test Laboratory facility where he gained experience in high-speed data communication.

He led the design effort for the Navy's first large-scale GOSIP compliant Local Area Network (LAN). He also led the technical team which developed and deployed the Naval Aviation Wide Area Network.

In 1991, Mr. George accepted the position of Chief Engineer for the Information Systems Division at the Naval Air Systems Command Headquarters facility in Washington DC. He led the design effort for the Navy's first large-scale GOSIP compliant Local Area Network (LAN). He also led the technical team which developed and deployed the Naval Aviation Wide Area Network (NAVWAN).

Mr. George was born in Philadelphia Pennsylvania on February 21, 1961. He and his dog Cujo currently reside in Accokeek, MD.

VICE ADMIRAL WALTER J.A. DAVIS, USN

DIRECTOR, SPACE AND ELECTRONIC WARFARE (N6)

Vice Admiral Walter J.A. Davis Jr., a native of Winston-Salem, North Carolina, received his commission in June 1959 through the NROTC program at Ohio State University. There, he was awarded a Bachelor of Electrical Engineering Degree. He was designated a Naval Aviator after completing flight training in December 1960.

VADM Davis' first tour of duty was with VF-143, flying the F-4H Phantom jet. In June 1964, he reported to the Naval Post Graduate School, where he was awarded a Bachelor of Science in Aeronautical Engineering and a Master of Science in Aeronautical Electronics. He again reported to VF-143 in 1967 and served two combat tours in Vietnam. In 1970, VADM Davis attended the Naval Test Pilot School in Patuxent River, Maryland, and was subsequently ordered to the Weapons Test Division as a Test Pilot.

In July 1973, he attended the Naval War College in Newport, Rhode Island. In October 1974, he reported to VF-114 as Executive Officer, and in February 1976, became the squadron's Commanding Officer, flying the F-14 Tomcat. VADM Davis reported to Naval Air Systems Command in June 1977 as the Assistant Program Manager for the F-14. He then reported as Executive Officer of USS KITTY HAWK (CV-63), which deployed to the Western Pacific and Indian Ocean during the Iranian Crisis of 1979.

VADM Davis assumed command of the USS SACRAMENTO (AOE) in December 1981. USS SACRAMENTO deployed with and

supported the USS ENTERPRISE Battle Group during, WESTPAC, NORPACFLEXOPS, and FLEETEX-83 exercises. In October 1983, VADM Davis reported as Executive Assistant to the Deputy Chief of Naval Operations for Air Warfare (OP-O5) in Washington, DC. In August 1984, he attended the Industrial College of the Armed Forces, graduating in June 1985.

From July 1985 until April 1987, VADM Davis served as Commanding Officer of USS RANGER (CV-61), deploying with her twice to the Western Pacific under the concept of flexible operations. In May 1987, he reported as Special Assistant to the Chief of Naval Operations. Shortly thereafter, in February 1988, VADM Davis was selected to Flag Officer, and assumed command of Naval District Washington on 19 July 1988.

VADM Davis assumed command of Carrier Group SIX and Forrestal Battle Group on 20 December 1990. Forrestal Battle Group deployed to the Mediterranean during May 1991 supporting Provide Comfort operations over northern Iraq and subsequently participated in developing the Maritime Action Group and Battle Group force package as viable responses during periods of reduced deployment of traditional forces. Following this deployment, VADM Davis assumed command of the America Battle Group.

He received his second star and reported as Director, Naval Warfare Systems Architecture and Engineering in November 1992. In this capacity, VADM Davis was responsible for directing Multi-Warfare Analyses, Space and Electronic (SEW) Systems Engineering, Project Management efforts to field integrated Naval Warfare battle management capabilities of the

VADM Davis assumed command of Carrier Group SIX and Forrestal Battle Group on 20 December 1990. Forrestal Battle Group deployed to the Mediterranean during May 1991 supporting Provide Comfort operations over northern Iraq

DAVIS Continued...

future. In September 1994, VADM Davis received his third star and reported as Director, Electronic Warfare, N6.

VADM Davis has accumulated over 3,500 flight hours and over 800 carrier landings. He has been awarded the Legion of Merit (two awards), Meritorious Service Medal, Air Medal (ten awards), Navy Commendation Medal with Combat "V", Meritorious Unit Commendation, Battle "B", Navy Expeditionary Medal with

three Bronze Stars, National Defense Service Medal, Armed Forces Expeditionary Medal with three Bronze Stars, Sea Service Deployment Ribbon (four awards), Vietnamese Gallantry Cross with Bronze Star, Republic of Vietnam Meritorious Unit Citation, and Vietnam Campaign Medal.

VADM Davis and his wife, the former Constance Surles of Pensacola, Florida, reside in Washington DC. They have two daughters, Sharon and Kimberly.

Mr. Christopher Hoenig Director of Information Management Issues General Accounting Office (GAO)

Mr. Hoenig is currently Director of Information Management Issues at GAO - leading efforts to identify valuable private sector and state practices in information management and process reengineering for use in improving the performance of federal agencies. Those efforts have resulted in a widely acclaimed report, new regulations, and methodologies to improve the quality and impact of GAO work on information management issues. In 1994 and 1995, he was named one of the 100 most influential IRM executives in the Federal government.

Before coming to GAO, Mr. Hoenig was senior consultant with McKinsey & Company, Inc. in Washington, DC. He served clients in a wide

range of information technology-based industries - including customized software, telecommunications, systems integration, aerospace and financial services. At McKinsey he specialized in applying a full range of strategies, techniques

and tools to improve organizational performance and manage change in large organizations - focusing particularly on the use of information and information technology. Previously, he co-founded and managed an electronic publishing business in Western Europe.

*In 1994 and 1995,
he was named
one of the 100 most
influential IRM
executives in the
Federal government.*

Mr. Hoenig has a degree in History from Yale and two master's degrees in international politics, law and economics

from Cambridge University in England and the Fletcher School of Law and Diplomacy in Boston.

Breakout

Discussions!

March 6, 1996
8 : 3 0 a . m . - 1 2 : 0 0 p . m .

CLOUD ROOM

"Executive Panel Discussion"

All Flags and SESs invited

*Mr. Art Caston,
Moderator*

Top DoN leadership will discuss GAO Best Practices, review survey results from attendees, and discuss the challenges they face in leading one of the largest organizations in the world through the cultural and technological changes to become a world-class "digitally enabled" enterprise.

Panelist:

Mr. Chris Hoenig,
Director, Information Management,
Policy & Issues, General Accounting
Office (GAO)

AUDITORIUM

"Infrastructure Roles & Responsibilities"

*Mr. Mark Olson,
Moderator*

DoN has historically done an outstanding job of fielding information systems to meet the requirements of specific communities of interest. These systems are typically very powerful, but contained redundant information or information that needs to be shared by other communities. Downsizing has forced the DoN to reevaluate it's traditional approach and use it's unique ability to build systems in a new way. This session will propose a Vision Architecture which will allow the DoN's information systems to efficiently interoperate and share information. The session moderators will introduce the Architecture; show how a pilot team has been operating to meet two key components of the Architecture; and finally, facilitate session participants in critiquing and commenting on the architectural concepts. Session participants will ultimately be invited to serve on Integrated Product Teams (IPTs) which will realize the mechanics of the Architecture.

Panelists:

Mr. John George,
Chief Engineer, INPO
CDR Paul Dorin, USN,
INPO IPT Leader for DON WAN
CDR Andrew Meldrum, USN,
INPO Deputy Program Manager for IPT
Integration

CONFERENCE CENTER

"Applications & Tools in an Enterprise Environment"

*Ms. Jacke Zeiher,
Deputy Program Manager for
Requirements & Metrics
DON INPO
Moderator*

The true value of the improved information highway is the fact that it allows for improved business processes. The panelists will provide demonstrations of planning and communication tools that have and promise to change the way we do business.

Panelists:

LCDR Nancy Murray, USN
Assistant Information Resource
Management Information Resource
Management Directorate
Chief of Naval Operations (Space and
Electronic Warfare)

Mr. Steve DeWeese
Senior Systems Engineer
Facilities and Engineering Division
Deputy Chief of Naval Operations
(Logistics)